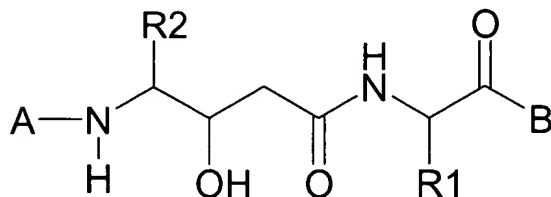


AMENDMENTS TO THE CLAIMS UNDER REVISED 37 C.F.R. § 1.121

Please amend the claims as follows:

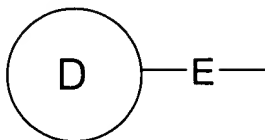
1. (Currently amended) A compound of formula 1



Formula 1

wherein:

A is



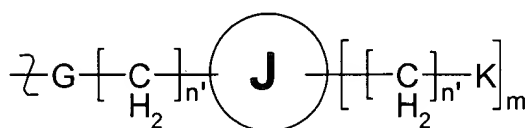
wherein D is chosen from aryl having 5 to 6 atoms; heteroaryl having 5 to 6 atoms where 1 or 2 heteroatoms are selected from N, O, and S; fused aryl of 8 to 14 atoms; fused heteroaryl of 8 to 14 atoms where 1, 2, or 3 heteroatoms are selected from N, O, and S; mono or fused cycloalkyl having 5 to 12 carbon atoms; and mono or fused heterocycloalkyl having 5 to 12 carbon atoms where 1, 2, or 3 heteroatoms are selected from N, O, and S; biaryl, diaryl ether; diarylketone, and phenyl(C₁-C₈) alkylxyaryl;

and wherein E is a divalent group chosen from carbonyl, sulfonyl, C₁-C₃ alkylene, -X- (C₁-C₃) alkylcarbonyl wherein X is chosen from N, O and S, or E is merely a bond;

and D may optionally be substituted with up to two groups chosen from OH, C₁-C₃ alkyl; C₁-C₆ alkylacylamino, C₁-C₆ alkylacyloxy, C₁-C₆ alkyloxy, C₁-C₆ alkylthioxy, amido,

NH₂, mono and di(C₁-C₆ alkyl and phenyl) amino, carbamyl, benzamides, carbamic acid esters, carboxyl, carboxy(C₂-C₅)alkyloxy, N-heterocyclylacyl, C₁-C₃ alkylsulfonyl, sulfonamide and C₁-C₃ alkylsulfonamide;

B is selected from -OH; C₁-C₆ alkyl or C₁-C₆ alkyl amino, di(C₁-C₆ alkyl)amino, C₁-C₆ alkyloxy, N-heterocyclic and



each n' is independently 0, 1 or 2;

m is 0, 1, 2 or 3;

and G is NH or O;

J is selected from the group consisting of aryl having a 5 to 6 membered ring; aryl having a 5 to 6 membered ring with 1, or 2 heteroatoms selected from N, O, and S; fused aryl rings of 8 to 14 atoms; fused aryl rings of 8 to 14 atoms with 1, 2, or 3 heteroatoms selected from N, O, and S; mono or fused ring cycloalkyl having 5 to 12 carbon atoms; and mono or fused ring heterocyclic having 5 to 12 carbon atoms with 1, 2, or 3 heteroatoms chosen from the group consisting of N, O, and S;

each K is chosen from OH, C₁-C₃ alkyl; C₁-C₆ alkylacylamino, C₁-C₆ alkylacyloxy, C₁-C₆ alkyloxy, C₁-C₆ alkylthioxy, amido, NH₂, mono and di(C₁-C₆ alkyl and phenyl) amino, carbamyl; phenyl amides, carbamates, carboxyl and carboxy(C₂-C₅)alkyloxy;

R₁ is straight or branched chain C₁-C₅ alkanyl or C₂-C₅ alkenyl;

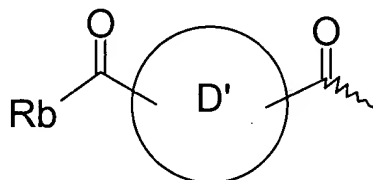
R₂ is C₁₋₅ straight or branched chain alkanyl or alkenyl; methylthiomethyl; aryl or arylalkyl or heteroaryl or heteroarylalkyl wherein any of the above are optionally substituted with up to 2 of C₁₋₃ alkyl, trifluoromethyl or halogen, and

or a stereoisomers, hydrates or pharmaceutically acceptable salts thereof.

2-3. (Cancelled)

4. (Original) The compound of claim 1 wherein A is selected from biphenyl, 2-phenyl- α -hydroxytolyl, diphenyl ether and diphenyl ketone.

5. (Original) The compound of claim 1 wherein A is



wherein the ring D' is a 5 or 6 membered monocyclic aryl or heteroaryl ring including up to 3 atoms selected from N, O and S, and Rb is -NH₂, mono and di(C₁-C₆ alkyl) amino, C₁-C₆ alkoxy, N-heterocyclic and C₁-C₆ alkyl.

6. (Original) The compound of claim 5 wherein the ring D' is chosen from the group consisting of benzene, pyridine, furan, thiophene, thiazole, thiadiazole, oxazole, oxadiazole and 1,2,4-triazole and Rb is di(C₂-C₄)alkylamine.

7. (Cancelled)

8. (Original) The compound of claim 1 wherein R1 is selected from ethyl and 2-propyl.

9. (Original) The compound of claim 1 wherein R2 is selected from 2-thienylmethyl, 3-trifluoromethylphenylmethyl, 4-thiazolylmethyl, 3-chlorophenylmethyl, 3,5-difluorophenylmethyl, 4-methylphenylmethyl and 2-methylprop-1-yl.

10. (Original) The compound of claim 1 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

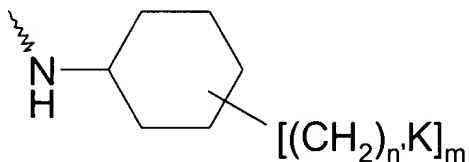
11. (Original) The compound of claim 3 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

12. (Original) The compound of claim 5 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

13. (Original) The compound of claim 7 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

14. (Currently amended) The compound of claim 1 wherein B is -OH, C₁-C₆ alkoxy, mono and di(C₁-C₆) alkylamino, aminoC₁-C₄ alkyl-p-benzoic acid and C₁-C₆ alkyl and phenyl esters thereof and N-heterocyclic.

15. (Previously presented) The compound of claim 1 wherein B is



wherein K, n' and m are as defined in claim 1.

16. (Original) The compound of claim 15 wherein B is selected from 3,5-dicarboxycyclohexylamine, 3,4-dicarboxycyclohexylamine, 3,5-dimethoxycyclohexylamine, 3,5-dihydroxymethylcyclohexylamine and 3,4,5-trimethoxycyclohexylamine.

17-18. (Cancelled)

19. (Original) The compound of claim 1 wherein A is selected according to claim 5 and B is selected according to claim 14.

20. (Previously presented) The compound of claim 1 wherein A is selected according to claim 5 and B is selected according to claim 15.

21-22. (Cancelled)

23. (Original) A compound selected from the group consisting of:

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 2-[(4-carboxy)phenyl]ethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 3-carboxypropylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 4-carboxynaphth-1-ylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 4-carboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine

N-{*N'*-[2-benzyloxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-[*N'*-(3-hydroxy-2-phenylpropanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(2-bromophenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[(*S*)-2-hydroxy-3-phenylpropanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'* - [2-hydroxy-2- (3-phenoxyphenyl)ethanoyl] - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'* - [(*R*) -2-hydroxy-3-phenylpropanoyl] - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N- [*N'* - (3-hydroxy-3-phenylpropanoyl) - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N- [*N'* - (3, 3, 3-trifluoro-2-methoxy-2-phenylpropanoyl) - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'* - [(*R*) -2-hydroxy-4-thiomethylbutanoyl] - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N- [*N'* - (2-hydroxy-2-phenylethanoyl) - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N- [*N'* - (2-hydroxy-2-phenylethanoyl) - (3*S*, 4*S*) -4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'* - [(2-hydroxy-2- (naphth-1-yl)ethanoyl] - (3*S*, 4*S*) -4-amino-3-hydroxy-5- (4-methylphenyl)pentanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(thien-2-yl)pentanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(thiazol-4-yl)pentanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[3-(*N''*, *N''*-diethylamido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexanamide

N-{*N'*-[3-(*N''*-ethyl-*N''*-methanamido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine

N-{*N'*-[3-(*N''*-ethyl-*N''*-methanamido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine ethanamide

N-{*N'*-[3-(*N''*, *N''*-diethylamido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexanamide

N-{*N'*-[2-hydroxy-2-(2-phenylphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine ethanamide

N-[*N'*-(4-*N''*, *N''*-dimethylamino-5-oxopentanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-ethyl-*N''*-methyramido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dimethoxycyclohexylamide

N-[*N'*-(benzo-1, 4-dioxan-6-oyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(3-amidobenzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-acetylramino)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(3-carbomethoxybenzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(2-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(4-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-benzoyl-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(naphth-2-oyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-methyloperazido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(4-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3-trifluoromethylphenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)phenylmethyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis,cis*-3,4,5-trimethoxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)2,6-dimethylpyrid-3-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)-2-methoxybenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)-5-methoxybenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-

difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(2-methylpropionyl)-benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-furan-2-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-thiophen-2-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-5-methylbenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis,cis*-3,4,5-trimethoxycyclohexylamide

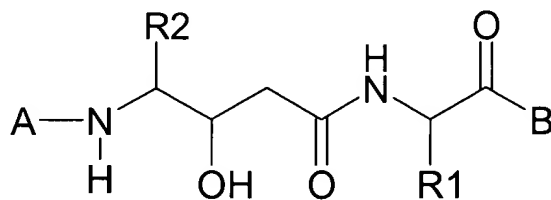
N-{*N'*-[3-(*N''*, *N''*-diethylamido)phenylmethyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(3-phenylbenzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide ,and

N-[N'-2-pyrimidyl-(3S, 4S)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine cis,cis-3,5-dicarboxycyclohexylamide.

24-46. (Cancelled)

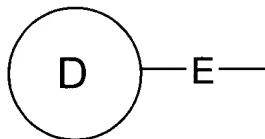
47. (Currently amended) A ~~pharmaceutical composition~~ comprising a compound of formula 1



Formula 1

wherein:

A is



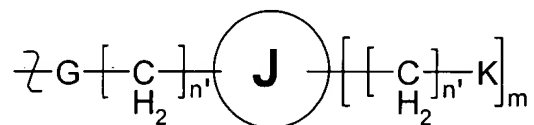
wherein D is chosen from aryl having 5 to 6 atoms; heteroaryl having 5 to 6 atoms where 1 or 2 heteroatoms are selected from N, O, and S; fused aryl of 8 to 14 atoms; fused heteroaryl of 8 to 14 atoms where 1, 2, or 3 heteroatoms are selected from N, O, and S; mono or fused cycloalkyl having 5 to 12 carbon atoms; and mono or fused heterocycloalkyl having 5 to 12 carbon atoms where 1, 2, or 3 heteroatoms are selected from N, O, and S; biaryl, diaryl ether; diarylketone, and phenyl(C₁-C₈) alkyloxyaryl;

and wherein E is a divalent group chosen from carbonyl, sulfonyl, C₁-C₃ alkylene,

-X- (C₁-C₃) alkylcarbonyl wherein X is chosen from N, O and S, or E is merely a bond;

and D may optionally be substituted with up to two groups chosen from OH, C₁-C₃ alkyl; C₁-C₆ alkylacylamino, C₁-C₆ alkylacyloxy, C₁-C₆ alkyloxy, C₁-C₆ alkylthioxy, amido, NH₂, mono and di(C₁-C₆ alkyl and phenyl) amino, carbamyl, benzamides, carbamic acid esters, carboxyl, carboxy(C₂-C₅)alkyloxy, N-heterocyclylacyl, C₁-C₃ alkylsulfonyl, sulfonamide and C₁-C₃ alkylsulfonamide;

B is selected from -OH; C₁-C₆ alkyl or C₁-C₆ alkyl amino, di(C₁-C₆ alkyl)amino, C₁-C₆ alkyloxy, N-heterocyclic and



each n' is independently 0, 1 or 2;

m is 0, 1, 2 or 3;

and G is NH or O;

J is selected from the group consisting of aryl having a 5 to 6 membered ring; aryl having a 5 to 6 membered ring with 1, or 2 heteroatoms selected from N, O, and S; fused aryl rings of 8 to 14 atoms; fused aryl rings of 8 to 14 atoms with 1, 2, or 3 heteroatoms selected from N, O, and S; mono or fused ring cycloalkyl having 5 to 12 carbon atoms; and mono or fused ring heterocyclic having 5 to 12 carbon atoms with 1, 2, or 3 heteroatoms chosen from the group consisting of N, O, and S;

each K is chosen from OH, C₁-C₃ alkyl; C₁-C₆ alkylacylamino, C₁-C₆ alkylacyloxy, C₁-C₆ alkyloxy, C₁-C₆ alkylthioxy, amido,

NH₂, mono and di(C₁-C₆ alkyl and phenyl) amino, carbamyl; phenyl amides, carbamates, carboxyl and carboxy(C₂-C₅)alkyloxy;

R₁ is straight or branched chain C₁-C₅ alkanyl or C₂-C₅ alkenyl;

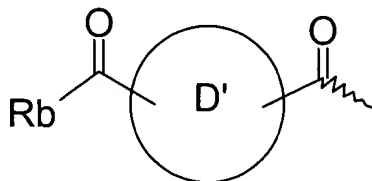
R₂ is C₁₋₅ straight or branched chain alkanyl or alkenyl; methylthiomethyl; aryl or arylalkyl or heteroaryl or heteroarylalkyl wherein any of the above are optionally substituted with up to 2 of C₁₋₃ alkyl, trifluoromethyl or halogen,

~~and-or~~ a pharmaceutically acceptable salts ~~and-or~~ esters thereof and a pharmaceutically acceptable diluent.

48-49. (Cancelled)

50. (Original) The composition of claim 47 wherein A is selected from biphenyl, 2-phenyl- α -hydroxytolyl, diphenyl ether and diphenyl ketone.

51. (Original) The composition of claim 47 wherein A is



wherein the ring D' is a 5 or 6 membered monocyclic aryl or heteroaryl ring including up to 3 atoms selected from N, O and S, and Rb is -NH₂, mono and di(C₁-C₆ alkyl) amino, C₁-C₆ alkoxy, N-heterocyclic and C₁-C₆ alkyl.

52. (Original) The composition of claim 51 wherein the ring D' is chosen from the group consisting of benzene, pyridine, furan, thiophene, thiazole, thiadiazole, oxazole, oxadiazole and 1,2,4-triazole and Rb is di(C₂-C₄)alkylamine.

53. (Cancelled)

54. (Original) The composition of claim 47 wherein R1 is selected from ethyl and 2-propyl.

55. (Original) The composition of claim 47 wherein R2 is selected from 2-thienylmethyl, 3-trifluoromethylphenylmethyl, 4-thiazolylmethyl, 3-chlorophenylmethyl, 3,5-difluorophenylmethyl, 4-methylphenylmethyl and 2-methylprop-1-yl.

56. (Original) The composition of claim 47 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

57. (Original) The composition of claim 49 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

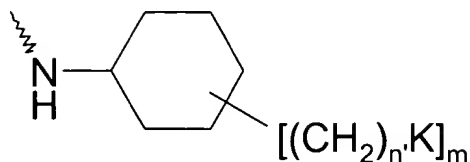
58. (Original) The composition of claim 51 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

59. (Original) The composition of claim 53 wherein R1 is 2-propyl and R2 is 3,5-difluorophenylmethyl.

60. (Previously presented) The composition of claim 47 wherein B is selected from the group consisting of -OH, C₁-C₆ alkoxy, mono and di(C₁-C₆) alkylamino, aminoC₁-C₄ alkyl-p-benzoic acid and C₁-C₆ alkyl and phenyl esters thereof, and N-

heterocyclic.

61. (Original) The composition of claim 47 wherein Bis



wherein K, n' and m are as defined in claim 1.

62. (Original) The composition of claim 61 wherein B is selected from 3,5-dicarboxycyclohexylamine, 3,4-dicarboxycyclohexylamine, 3,5-dimethoxycyclohexylamine, 3,5-dihydroxymethylcyclohexylamine and 3,4,5-trimethoxycyclohexylamine.

63-64. (Cancelled)

65. (Original) The composition of claim 47 wherein A is selected according to claim 51 and B is selected according to claim 60.

66. (Original) The composition of claim 47 wherein A is selected according to claim 51 and B is selected according to claim 61.

67-68. (Cancelled)

69. (Original) A pharmaceutical composition comprising a compound selected from the group consisting of:

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 2-[(4-carboxy)phenyl]ethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 3-carboxypropylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 4-carboxynaphth-1-ylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine 4-carboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine

N-{*N'*-[2-benzyloxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-[*N'*-(3-hydroxy-2-phenylpropanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(2-bromophenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[(*S*)-2-hydroxy-3-phenylpropanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(3-phenoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-{*N'*-[(*R*)-2-hydroxy-3-phenylpropanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-[*N'*-(3-hydroxy-3-phenylpropanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-[*N'*-(3, 3, 3-trifluoro-2-methoxy-2-phenylpropanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'*-[(*R*)-2-hydroxy-4-thiomethylbutanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl}valine (4-carboxy)phenylmethanamide

N-[*N'*-(2-hydroxy-2-phenylethanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-[*N'*-(2-hydroxy-2-phenylethanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-6-methylheptanoyl]valine (4-carboxy)phenylmethanamide

N-{*N'*-[(2-hydroxy-2-(naphth-1-yl)ethanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(4-methylphenyl)pentanoyl]}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(thien-2-yl)pentanoyl]}valine (4-carboxy)phenylmethanamide

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(thiazol-4-yl)pentanoyl]}valine (4-carboxy)phenylmethanamide

N-{*N'*-[3-(*N''*, *N''*-diethylamido)benzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]}valine *cis,cis*-3,5-dicarboxycyclohexanamide

N-{*N'*-[3-(*N''*-ethyl-*N''*-methanamido)benzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]}valine

N-{*N'*-[3-(*N''*-ethyl-*N''*-methanamido)benzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]}valine ethanamide

N-{*N'*-[3-(*N''*, *N''*-diethylamido)benzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]}valine

N-{*N'*-[2-hydroxy-2-(naphth-1-yl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(2-phenylphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine ethylamide

N-[*N'*-(4-*N''*, *N''*-dimethylamino-5-oxopentanoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-ethyl-*N''*-methyldamido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dimethoxycyclohexylamide

N-[*N'*-(benzo-1, 4-dioxan-6-oyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(3-amidobenzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-acetyl-amino)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(3-carbomethoxybenzoyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(2-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(4-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-benzoyl-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-[*N'*-(naphth-2-oyl)-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*-methylpiperazido)benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[2-hydroxy-2-(4-methoxyphenyl)ethanoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3-trifluoromethylphenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)phenylmethyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis,cis*-3,4,5-trimethoxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)2,6-dimethylpyrid-3-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)-2-methoxybenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(*N''*, *N''*-dipropylamido)-5-methoxybenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[3-(2-methylpropionyl)-benzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-furan-2-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-thiophen-2-ylcarbonyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis*-3,5-dicarboxycyclohexylamide

N-{*N'*-[5-(*N''*, *N''*-dipropylamido)-5-methylbenzoyl]-(3*S*, 4*S*)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine *cis,cis,cis*-3,4,5-trimethoxycyclohexylamide

N-{N'-[3-(N'', N''-diethylamido)phenylmethyl]-(3S, 4S)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl}valine
cis,cis-3,5-dicarboxycyclohexylamide

N-[N'-(3-phenylbenzoyl)-(3S, 4S)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine cis,cis-3,5-dicarboxycyclohexylamide ,and

N-[N'-2-pyrimidyl-(3S, 4S)-4-amino-3-hydroxy-5-(3, 5-difluorophenyl)pentanoyl]valine cis,cis-3,5-dicarboxycyclohexylamide,

and pharmaceutically acceptable salts and esters thereof,
and a pharmaceutically acceptable diluent.

70. (Previously presented) The compound of claim 1
wherein amido is selected from the group consisting of
primary, C₁-C₆ alkyl, phenyl secondary and tertiary amido.

71. (Previously presented) The compound of claim 1
wherein carbamyl is C₁-C₆ alkyl carbamyl.

72. (Previously presented) The compound of claim 1
wherein carboxyl is selected from the group consisting of
C₁-C₆ alkyl carboxyl and phenyl esters.

73. (Previously presented) The composition of claim 47
wherein amido is selected from the group consisting of
primary, C₁-C₆ alkyl, phenyl secondary and tertiary amido.

74. (Previously presented) The composition of claim 47
wherein carbamyl is C₁-C₆ alkyl carbamyl.

75. (Previously presented) The composition of claim 47 wherein carboxyl is selected from the group consisting of C₁-C₆ alkyl carboxyl and phenyl esters.